

NAME: _____

ID#: _____

IN EFFECT FALL 2016**ORGANISMAL BIOLOGY: PRE-VETERINARY OPTION (IBIO, PVET)****FRESHMAN YEAR**

ENGL 1100 English Comp I.....	3	ENGL 1120 English Comp II.....	3
MATH 1610 Calculus I.....	4	CORE HISTORY.....	3
CHEM 1030 Fund of Chem I.....	3	CHEM 1040 Fund of Chem II.....	3
CHEM 1031 Chem Lab.....	1	CHEM 1041 Chem Lab.....	1
BIOL 1020/1021 Principles of Biol.....	4	BIOL 1030/1031 Organismal Biol.....	4
	15		14

SOPHOMORE YEAR

CHEM 2070 Organic Chem I.....	3	CHEM 2080 Organic Chem II.....	3
CHEM 2071 Organic Lab.....	1	CHEM 2081 Organic Lab.....	1
CORE SOCIAL SCIENCE ²	3	CORE HISTORY or LIT ¹	3
BIOL 3060 Ecology.....	4	BIOL 3000 Genetics.....	4
CORE LITERATURE.....	3	BIOL 3030 Evolution & Systematics.....	3
	14		14

JUNIOR YEAR

BIOL 3100, 3200, 4010, or 4020⁴.....	4	BIOL 4100 Cell Biology.....	3
BIOL 4950 Undergraduate Seminar.....	1	ANSC 3400 Animal Nutrition.....	4
PHYS 1500 Physics I.....	4	PHYS 1510 Physics II.....	4
BCHE 5180 Biochemistry I.....	3	CORE SOCIAL SCIENCE ²	3
CORE SOCIAL SCI or HUM ³	3	CORE HUMANITIES.....	3
CORE FINE ARTS.....	3		
	18		17

Students who complete the above 6 semesters and successfully complete the first year of veterinary school may be awarded a B.S. in Organismal Biology. In the event the first year Veterinary College alternative is not followed, the indicated senior year courses must be successfully completed to receive the B.S. in Organismal Biology.

SENIOR YEAR

Eco/Evo/Diversity Electives⁵.....	6	Biology Elective⁵.....	4
Cell/Mol/Micro Elective⁵.....	4	Physiology Elective⁵.....	4
Biology Elective⁵.....	4	Cell/Mol/Micro Elective⁵.....	3
BCHE 5181 Biochem I Lab.....	1	BCHE 5190 Biochem II.....	3
	15	BCHE 5191 Biochem II Lab.....	1
			15

TOTAL HOURS 122

Long range schedules for COSAM courses are online at www.auburn.edu/cosam/students/

Courses in **BOLD** will be used to calculate GPA in major.

Options for courses labeled CORE are in the Auburn University Bulletin (www.auburn.edu/bulletin) under Core Curriculum.

¹ Students must complete a two-course sequence in either HIST or LIT (for example, World History 1 and 2 or American Lit 1 and 2). For complete HIST and LIT sequence options, see the Bulletin.

² Students who have AP or transfer credit for US History should talk to an advisor about CORE SOC SCI choices.

³ If a LIT sequence is chosen, this course must be a CORE SOCIAL SCIENCE. If a HIST sequence is chosen, this course must be a CORE HUMANITIES.

⁴ This elective in the junior year should be chosen with consideration of the elective courses to be taken in the senior year. Consult your faculty advisor.

⁵ Approved Biology electives are on the back of this sheet

Ecology, Evolution, Biodiversity Electives

BIOL	3010	Comp. Anat.(4)
BIOL	3040	Marine Systems(3)
BIOL	3075	Oceanography(4)
BIOL	3100	Plant Biology(4)
BIOL	3200	Microbiology(4)
BIOL	4010	Invert Biodiv(4)
BIOL	4020	Vertebrate Biodiv(4)
BIOL	4395	Marine Faun Eco(5)
BIOL	4425	Marine Fish Mgt(4)
BIOL	4455	Marine Invert(5)
BIOL	4465	Marine Parasites(6)
BIOL	4475	Marine Ichthy(6)
BIOL	4485	Marine Ecology(5)
BIOL	4515	Marine Invert(4)
BIOL	4525	Dolphins & Whales(2)
BIOL	4535	Coastal Zone Mgt(2)
BIOL	4495	Marine Histology(6)
BIOL	4545	Coastal Ornithology(4)
BIOL	4565	Marine Vertebrate (4)
BIOL	4575	Marine Ecology(4)
BIOL	5090	Conservation Biology(3)
BIOL	5110	Parasitology(4)
BIOL	5120	Systematic Botany(4)
BIOL	5140	Plant Ecology(4)
BIOL	5150	Community Ecology(3)
BIOL	5160	Field Bio and Eco(3-15)
BIOL	5250	Microbial Evolution(4)
BIOL	5270	Host-Microbe Interact(3)
BIOL	5300	Plant Anat and Dev(4)
BIOL	5340	Protozoology(4)
BIOL	5350	Behavioral Ecology(3)
BIOL	5370	Molecular Ecology(3)
BIOL	5360	Population Ecology(3)
BIOL	5380	General Ichthyology(4)
BIOL	5415	Salt Marsh Plant Eco(4)
BIOL	5425	Marine Botany(4)
BIOL	5435	Coastal Vegetation(4)
BIOL	5455	Marsh Ecology(4)
BIOL	5475	Gulf Oceanology(3)
BIOL	5495	Marine Protozoology(3)
BIOL	5510	Biogeography(3)
BIOL	5525	Marine Behav Eco(4)
BIOL	5535	Marine Cons Eco(4)
BIOL	5650	Ethology(4)
BIOL	5740	Herpetology(4)
BIOL	5750	Ornithology(4)
BIOL	5760	Mammalogy(4)
ANSC	4100	Farm Animal Beha(2)
ENTM	4020	Econ Entomology(4)
ENTM	4040	Insects(3)
ENTM	5010	Ent. for Educators(4)
ENTM	5030	Insecticides(4)
ENTM	5140	Aquatic Insects(4)
ENTM	5150	Arachnology(4)
ENTM	5220	Insect Ecology(4)
ENTM	5300	Syst Entomology(4)
ENTM	5330	Insect Pest Mgt(4)
ENTM	5340	Urban Forest Insects(3)
ENTM	5360	Landscape Ent(4)

ENTM	5370	Urban Entomology(4)
ENTM	5440	Insect Morphology(4)
PLPA	5200	Mycology(4)
WILD	4310	Wildlife Management(3)
WILD	5280	Wildlife Eco & Mgt I(3)
WILD	5290	Wildlife Eco & Mgt II(3)
WILD	5291	Wildlife II Lab(1)
FISH	5220	Water Science(3)
FISH	5320	Limnology(4)
MATH	2660	Linear Algebra(3)
FORV	5250	Wetland Eco and Mngt.(3)
FORV	5220	Landscape Ecology
FORV	5240	Watershed Mngt.(3)
FORV	5470	GIS App. in Nat. Resource(3)

Cellular/Molecular/Microbiology Electives

BIOL	3020	Genomic Biology(4)
BIOL	3200	General Microbiology(4)
BIOL	3500	Persp. in Immunology(3)
BIOL	4000	Histology(4)
BIOL	4101	Cell Biology Lab(2)
BIOL	4410	Vertebrate Dev't(5)
BIOL	5130	Adv Plant Physiology(3)
BIOL	5131	Adv Plant Phys Lab(1)
BIOL	5190	Cell & Mol Sig Tran(3)
BIOL	5200	Clinical Microbiology(3)
BIOL	5210	Microbial Physiology(3)
BIOL	5220	Molecular Genetics(3)
BIOL	5230	Virology(3)
BIOL	5260	Prokaryotic Mol Gen(3)
BIOL	5320	Plant Gene Express(4)
BIOL	5330	Dev. Genetics (3)
BIOL	5370	Molecular Eco. (3)
BIOL	5500	Immunology(3)
BIOL	5501	Immunology Lab(2)
BIOL	5521	Gene Express & DN(2)
BIOL	5660	Food Microbiology(5)
BIOL	5700	App. & Env. Micro(4)
AGRN	5060	Soil Microbiology(3)
PLPA	3000	Plant Pathology(4)
PLPA	5200	Mycology(4)
FISH	5710	Aquatic Micro. (3)

Physiology Electives

BIOL	3010	Comp Anatomy(4)
BIOL	4000	Histology(4)
BIOL	4410	Vertebrate Dev't(5)
BIOL	5130	Adv Plant Physiology(3)
BIOL	5131	Adv Plant Phys Lab(1)
BIOL	5210	Microbial Physiology(3)
BIOL	5240	Animal Physiology(4)
BIOL	5600	Biomedical Phys.(5)
ANSC	3600	Reprod. Physiology(4)

Biology Electives

BIOL	4920	Internship in Biology
BIOL	4970	Special Topics
BIOL	4980	Undergrad. Research (6 hrs max)

Any BIOL course on this page